

## Documentation for Dental and Periodontal Substudy Dataset

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## **DENTAL AND PERIODONTAL SUBSTUDY**

### **1. Design:**

The study design for the periodontal examination of Health ABC participants originally proposed that all participants would be assessed to determine the eligibility criteria for the periodontal examination. Patients who were eligible for full periodontal examination would receive a soft tissue exam, hard tissue exam, tooth count, recording of denture wear and periodontal exam (plaque score, gingival index, and periodontal probing). For the Pittsburgh site a new exam, the BANA test, was incorporated into the periodontal examination at the end of October, 1998, for the eligible participants (508 of the total Pittsburgh periodontal cohort of 691 had BANA testing). Participants who were excluded by the eligibility criteria would receive partial examination. They received soft tissue exam, hard tissue exam, tooth count, recording of denture wear, and plaque scores. However, neither clinic was able to arrange full-time coverage of all exams by a dental hygienist. As much as possible, this substudy was extended into year 3 to catch participants not examined in year 2. Some participants had just tooth counts done by a trained Field Center examiner, but some participants never had an oral exam by a dental hygienist.

### **2. Sample characteristics:**

The race and gender breakdown of participants in this substudy is as follows (“N(total)” is everyone in the entire dataset; “N(any perio)” is anyone with data from the Reading Center; “N(perio exam)” is anyone with Dent\_Cod=3 (eligible for periodontal exam):

	N(total)	N (any perio data)	N (perio exam)
African-American female	617	422	243
African-American male	474	341	186
White female	793	561	341
White male	884	651	401
Total	2768	1975	1171

### **3. Data sources:**

The dataset for this substudy (Y3PERIO.sd2) comes from the Periodontal Reading Center (see variable list, Appendix I), the Year 2 Clinic Visit Workbook (pages 28-31), the Dental Examination Addendum: Hard Tissue Findings (year 2), and the Year 3 Dental and Periodontal Exam Workbook. All of the form data have been combined and renamed so that data from year 2 and year 3 have the same variable names (see annotated forms Appendix III). A complete list of variable names can be found in the Proc Contents (Appendix IV and zipped with data file).

A visit variable (YEAR) has been added to distinguish which participants were examined in Year 2 and which in Year 3. Some participants had data for both Year 2 and Year 3. Year 3 data were kept and Year 2 deleted, in this case. One participant (HB5586) had a partial periodontal exam during the Year 2 visit, then returned 8 months later for a full periodontal exam. The full exam data were retained, but the variable YEAR was coded as missing. The analyst may decide which year’s exam data to compare to these findings, depending on the data of interest.

Three new variables have been added to help subset the data usefully for analysis:

BANAFLAG      Indicates that the participant has BANA data

DENTFLAG	Indicates that the participant has data from the Periodontal Reading Center
PERFLAG	Indicates that the participant had a periodontal exam

#### **4. Dataset structure and contents**

The Y23PERIO dataset contains a single observation per participant.

Key variables:

HABCID	HABC Enrollment ID without the 2-letter prefix
SITE	HABC Clinic site: 1=Memphis; 2=Pittsburgh
YEAR	Year participant had the exam

#### **5. Special Missing Value Codes**

SAS allows for stratification of missing values. The following missing values have been assigned:

```
.      ='Missing Form'
.A    ='A:Not Applicable'
.F    ='F:Variable Missing from Form'
.M    ='M:Missing'
.N    ='N:Not Required'
.T    ='T:Missing Due to Technical Problems'
.U    ='Unacceptable'
```

#### **Description**

##### **. : Missing Form**

Used when a value is missing because the entire form has not been entered or the participant does not exist in the database from the corresponding Reading Center.

##### **A: Not Applicable**

Used when a value is missing but the value is not required (due to simple skip pattern logic)

##### **F:Variable Missing from Form**

Used when data are missing because the version of the form used to collect it did not contain that variable.

##### **M:Missing**

Used to flag missing values when the value is required (i.e., true missing values).

##### **N:Not Required**

Used when a value is missing but the value is not required (not due to simple skip pattern logic). For example, for checkbox variables which are “Check all that apply”: each one, individually, is not required. Some variables whose skip pattern logic is non-standard (i.e., the skip pattern involves several variables and forms) also have .N flags when missing, whether or not a response was required due to the skip pattern. In all of these cases, a special cross check was used to edit missing responses.

##### **T:Missing Due to Technical Problems**

Used when a value is missing from the Reading Center dataset due to technical difficulties. An explanation of when this value has been assigned can be found under Strengths and weaknesses of (Reading Center) dataset items.

**U:Unacceptable**

Used with certain Reading Center data when the data exist but cannot be used.

**6. Dataset index formulation and key variable mapping**

The dataset is sorted by HABCID, which is a unique identifier for each participant.

**7. General strategies for manipulating and merging the data**

Because the Health ABC datasets are sorted by Health ABC Enrollment ID, the HABCID variable is most useful for merging with other datasets. YEAR will allow the analyst to merge these files with the clinic visit data for the applicable year.

**8. Strengths and weaknesses of dataset items:**

The Periodontal Reading Center has added a number of summary functional unit variables to this version (3.13) of the dataset (see Appendix II).

The hard tissue exam (Dental Examination Addendum: Hard Tissue Findings) was not added until 9/25/98. In addition, there was some misunderstanding about how much of the hard tissue exam could safely be done on participants who were ineligible for the periodontal exam because of heart problems, compromised immunity, and other reasons for needing premedication with an antibiotic. Therefore some participants who were seen by a hygienist and could have had hard tissue data do not.

Since the forms were designed for all participants to be examined, there was not a good method of tracking who did and did not have a full dental exam. Periodontal eligibility questions were often completed by the regular examiner, and it is not always clear who completed other clinic form data. Therefore, it was not possible for the Coordinating Center to conclusively reconcile the Periodontal Reading Center database with the clinic visit workbook data, to ensure that all measurements made on Health ABC participants that should have been sent to and analyzed by the Reading Center did reach them and become part of their database. Considerable effort was expended on the part of the Periodontal Reading Center, in cooperation with both Field Centers, however, to ensure that those participants who really did have an exam by a hygienist did have all available data transferred to the Reading Center, and from the Reading Center to the Coordinating Center for inclusion the data analysis file.

The denture question in Year 2 was originally set up as a “check one” variable, rather than a “check all that apply” variable, which meant that participants with both upper and lower dentures could not have both entered into the dataset. This was corrected during editing using a variety of checks to ensure that partial data entry was caught. In addition, the first version of the form (in use until August, 1998) did not even include a question regarding denture wear. Thus, some participants will have missing data, even though they may wear dentures. The variables PDFUPPER, PDFLOWER, PDPUPPER, and PDPLOWER have been recoded to .F for these participants (see Special Missing

Value codes, above). Analysts are reminded that there was a question on the baseline questionnaire (Q136, page 64, OMUDENT) in which participants were asked whether they wore dentures. This variable may be helpful in dealing with this problem.

In the Year 2 Clinic Visit Workbook, the soft tissue exam did not include a “no positive findings” option. Similarly, there was no way to record “no dentures.” Therefore, for participants who were examined in Year 2 (YEAR=2), it was impossible to edit missings for either of these measurements. To further complicate matters, some hygienists marked the boxes “0” for no findings and “X” for positive findings, which would both be read as positive findings by the scanner. The Field Centers sent copies of page 31 to the Reading Center as part of their data transfer, and the Reading Center later sent back copies of those pages on which this error was detected. In addition, the Coordinating Center initiated an edit for all participants with more than 3 positive findings on the soft tissue exam, asking the editors to check whether the soft tissue exam findings had been entered correctly. Since the last release, the Reading Center capture of soft tissue findings has been extensively reconciled with the data entered at the Field Centers.

In Year 2 there was no lead-in question regarding whether the participant wore dentures. There was also no bubble for gingival tissue (PDGING) on the soft tissue findings question in Year 2. Therefore, participants who had their dental exam in Year 2 have PDGING, along with PDNOPOS and PDDENTUR, marked .F.

## Appendix I

### PERIODONTAL READING CENTER VARIABLE LIST

Variable Name	Variable Description	Variable Label	Value Label
BANAFLAG	Has BANA data	Flag set to 1 when ppt has BANA data	1=has BANA data
DENTFLAG	Has Periodontal Reading Center Data	Flag set to 1 when ppt has Perio RC data	1=has RC data
PERFLAG	Had a periodontal exam	Flag set to 1 when ppt had periodontal exa	1=had perio exam
BANARAT	Total number of BANA positive sites divided by the total number of sites sampled for the BANA test	Ratio of BANA-positive sites	0 to 1
BANA_RES	BANA test result	BANA test result	0=No positive sites 1=At least one positive site
DENT_COD	Dental Exam Tracking Code	Dental Track: (1Ed 2PMD 3Elig 4ref 5tootc )	1-Edentulous 2-Pre-med (ppt excluded for periodontal probing) 3-Full dental examination (ppt completed all dental and periodontal examination) 4-Refused 5-Tooth count only
DENT_REC	Dental Exam Recorder (if used instead of voice recognition software)	Recorder	
EDATE	Exam date	Exam date	MM/DD/YY
EDENT	Is ppt edentulous? (Y/N)	Edentulous YN	0=No 1=Yes
EXAMINER	Dental Examiner	Dental examiner	
EXTAL3	Extent of attachment loss greater or equal to 3mm Formula: (nal_3/nalsites)	Extent AL >=3mm (NAL_3/NALSITES)	0 to 1
EXTPD3	<b>Summary variable:</b> Extent of pockets greater or equal to 3mm(NPD_3/npdsites)	Extent PD >=3mm (NPD_3/NPDSITES)	0 to 1
EXTPD4	<b>Summary variable:</b> Extent of pockets greater or equal to 4mm (NPD_4/npdsites)	Extent PD >=4mm (NPD_4/NPDSITES)	0 to 1

EXTPD5	<b>Summary variable:</b> Extent of pockets greater or equal to 5mm(NPD_5/npdsites)	Extent PD >=5mm (NPD_5/NPDSITES)	0 to 1
EXTPD6	<b>Summary variable:</b> Extent of pockets greater or equal to 6mm(npd_6/npdsites)	Extent PD >=6mm (NPD_6/NPDSITES)	0 to 1
Variable Name	Variable Description	Variable Label	Value Label
MEANAL	<b>Summary variable:</b> Mean attachment loss.	Mean AL	
MEANGI	<b>Summary variable:</b> Mean gingival index ( <b>gingivitis</b> ) * Reflects the levels of gingival inflammation.	Mean Gingival Index Score	
MEANPD	Mean pocket depth	Mean PD	
MEANPL	<b>Summary variable:</b> Mean plaque index. * Reflects the levels of plaque accumulation.	Mean Plaque Score	
NALSITES	Number of attachment loss sites	Number AL Sites	
NAL_3	Number of attachment loss sites $\geq 3$ mm	Number AL Sites $\geq 3$ mm	
NO_TEETH	Total number of natural teeth	Total Number Of Natural Teeth	
NO_TEET1	Total number of teeth <b>WITHOUT</b> the 3rd molars	Total natural teeth without 3rd molars	
NPDSITES	Number of pocket depth sites probed	Number PD Sites	
NPD_3	Number of pocket depth sites $\geq 3$	Number PD Sites $\geq 3$ mm	
NPD_4	Number of pocket depth sites $\geq 4$	Number PD Sites $\geq 4$ mm	
NPD_5	Number of pocket depth sites $\geq 5$	Number PD Sites $\geq 5$ mm	
NPD_6	Number of pocket depth sites $\geq 6$	Number PD Sites $\geq 6$ mm	
ORALLES	Presence of oral lesions	Oral lesions	0=no 1=yes ?=unknown
POS	Number of BANA sites positive	Number of BANA sites positive	
FU11_41	Function unit pair 11-41/ anterior	Function unit pair 11-41/ anterior	0 and 1
FU12_42	Function unit pair 12-42/ anterior	Function unit pair 12-42/ anterior	0 and 1
FU13_43	Function unit pair 13-43/ anterior	Function unit pair 13-43/ anterior	0 and 1
FU14_44	Function unit pair 14-44/ Bicuspid	Function unit pair 14-44/ Bicuspid	0 and 1
FU15_45	Function unit pair 15-45/ Bicuspid	Function unit pair 15-45/ Bicuspid	0 and 1
FU16_46	Function unit pair 16-46/Molar	Function unit pair 16-46/Molar	0 and 1
FU17_47	Function unit pair 17-47 /Molar	Function unit pair 17-47 /Molar	0 and 1
FU21_31	Function unit pair 21-31/anterior	Function unit pair 21-31/anterior	0 and 1

FU22_32	Function unit pair 22-32/anterior	Function unit pair 22-32/anterior	0 and 1
FU23_33	Function unit pair 23-33/anterior	Function unit pair 23-33/anterior	0 and 1
FU24_34	Function unit pair 24-34/Bicuspid	Function unit pair 24-34/Bicuspid	0 and 1



<b>Variable Name</b>	<b>Variable Description</b>	<b>Variable Label</b>	<b>Value Label</b>
FU25_35	Function unit pair 25-35 /Bicuspid	Function unit pair 25-35 /Bicuspid	0 and 1
FU26_36	Function unit pair 26-36/Molar	Function unit pair 26-36/Molar	0 and 1
FU27_37	Function unit pair 27-37/Molar	Function unit pair 27-37/Molar	0 and 1
FUAnt	<b>Summary variable:</b> total number functional tooth units on anterior teeth.	<b>total</b> number functional tooth units on anterior teeth.	0 to 6
FUBic	<b>Summary variable:</b> total number of functional tooth units on bicuspid teeth.	Total number of functional tooth units on bicuspid teeth.	0 to 4
FUMolar	<b>Summary variable:</b> total number of functional tooth units on molar teeth.	Total number of functional tooth units on molar teeth.	0 to 4
FUpost	<b>Summary variable:</b> total number of posterior functional tooth units (molars+bicuspid teeth)	Total number of posterior functional tooth units	0 to 8
FUS	<b>Summary variable:</b> Posterior functional tooth units score (pairs of occluding natural, restored post canine teeth, excluding third molars): Molar pairs=2 units and bicuspid pairs=1 unit (1, 2).	Posterior functional tooth units score	0 to 12
FUSS	<b>Summary variable:</b> Total functional tooth units score (pairs of occluding natural, restored teeth, excluding third molars): Molar pairs=2 units, Bicuspid pairs=1 unit, anterior pairs=1 unit.	Total functional tooth units score	0 to 18
FUTotal	<b>Summary variable:</b> total number of functional tooth units (molars+bicuspid+anterior teeth)	Total number of functional tooth units	0 to 14

## Appendix II

### FUNCTIONAL TOOTH UNITS

#### Function Units:

Functional unit measures, which included functional arrangement of the teeth and the number and type of teeth present, were found to be more discriminatory and descriptive of masticatory potential than a simple count of the number of teeth. Elderly persons (> or = 60 years of age) with reduced numbers of functional units tended to report difficulty chewing, avoidance of stringy foods (including meat), crunchy foods (including vegetables), and dry solid foods (including breads), and difficulty in swallowing. Removable prostheses did not appear to prevent these consequences and do not appear to be equivalent to natural teeth in terms of masticatory potential.

We calculated function units by looking for all ‘*natural occlusal units*’ (defined as pairs of opposing teeth that support the occlusion). Prosthesis and implants teeth were excluded.

The diagram shows how we created the pairs:

<i>I</i>	1	1	1	1	1	1	1		2	2	2	2	2	2	2	2
8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8
3	4	4	4	4	4	4	4		3	3	3	3	3	3	3	3
8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8

- Posterior function units are: 17/47, 16/46 (molars teeth) and 15/45, 14/44 (pre-molars teeth)
- Anterior function units are: 14/43, 12/42, 11/41 (includes incisors and canines teeth)
- Function units 18/38 and 28/38 are third molars. They were excluded from the analysis.
- A person can have a total of 14 ‘natural occlusal units’ when we exclude third molars.

The variables that we created for function units are:

1. Each individual pair was recorded as present or absent (0= absent and 1= present)  
FU11\_41, FU12\_42, FU13\_43, FU14\_44, FU15\_45, FU16\_46, FU17\_47, FU21\_31, FU22\_32, FU23\_33, FU24\_34, FU25\_35, FU26\_36, FU27\_37
2. FUAnt: This variable represents the total number of function units present on anterior teeth (we included incisors and canines).
3. FUBic: Represents the total number of function units present on bicuspid teeth.
4. FUMolar: Represents the total number of functional tooth units on molar teeth.
5. FUTpost: Represents the total number of function units present on posterior teeth; we included molars and bicuspid teeth.

6. FUTotal: Function unit total represents the total number of function units present (FUAnt + FUPost).
7. 2- FUS is a **summary variable** that represents posterior functional tooth units. For calculating this variable we included molars and bicuspid. However, we determined scores for each function unit based on masticatory potential. Molars pairs were given a score of 2 units and bicuspid pairs=1 unit.
8. FUSS is a **summary variable** that represents all functional tooth units. For calculating this variable we included molars, bicuspid and anterior teeth. However, we determined scores for each function unit based on masticatory potential. Molars pairs were given a score of 2 units, bicuspid pairs=1 unit, anterior teeth 1 unit.

#### References:

1. Hildebrandt GH. Dominguez BL. Schork MA. Loesche WJ. Functional units, chewing, swallowing, and food avoidance among the elderly. *Journal of Prosthetic Dentistry*. 77(6):588-95, 1997 Jun.
2. R. S. Shinkai, J. P. Hatch, S. Sakai, C. C. Mobley, M. J. Saunders, and J. D. Rugh. Oral function and diet quality in a community-based sample. *J. Dent. Res.* 2001 80: 1625-1630.

### **Appendix III**

#### **DENTAL AND PERIODONTAL EXAM WORKBOOK**

H					
---	--	--	--	--	--

HABCID

--	--	--	--	--	--

ACROSTIC

	/		/		
--	---	--	---	--	--

Month

Day

Year

PDDATE

--	--	--	--

PDSTFID

# DENTAL AND PERIODONTAL EXAM WORKBOOK

## PROCEDURECHECKLIST

Test	Page Numbers	Please check if done			Comments
		Yes	No, participant refused	No, other reason	
1. Was eligibility for periodontal exam assessed?	1	①	①	②	
2. Dental Examination	5	①	①	②	
3. Periodontal Assessment					
a. Missing Teeth	7	①	①	②	
b. Plaque Score	7	①	①	②	
c. Gingival Index	7	①	①	②	
d. Periodontal Examination	7	①	①	②	
<b>PITTSBURGH ONLY:</b> 4. Was plaque collected?		①	①	②	
<b>PITTSBURGH ONLY:</b> 5. BANA Test	10	①	①	②	
<b>MEMPHIS ONLY:</b> 6a. Were pages 5 to 9 sent to Pittsburgh Periodontal Reading Center?		Yes ①	No ①		
<b>PITTSBURGH ONLY:</b> 6b. Were pages 5, 6, and 10 sent to Pittsburgh Periodontal Reading Center?		Yes ①	No ①		

HABC Enrollment ID #	Acrostic	Date Form Completed	Staff ID #
<input type="text"/>	<input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/>	<input type="text"/>
		Month Day Year	

## PERIODONTAL EXAM ELIGIBILITY ASSESSMENT

- 1** Do you have any of your natural teeth? **PDNTEETH**
- ☐ Yes      ☐ No      ☐ Don't know      ☐ Refused

**PDLSTTH**

- a. How many years ago did you lose your last tooth?  
If you are unsure, please make your best guess.

  years

**PDLTOOTH**  
☐ Less than 1 year ago

- b. Do you have any dental implants? **PDIMPLNT**
- ☐ Yes      ☐ No      ☐ Don't know      ☐ Refused

Not eligible for assessment. Go to Question #11.

- 2** Has a dentist or a doctor ever told you that you need to take antibiotics before every dental visit?
- PDANTIBI**
- ☐ Yes      ☐ No      ☐ Don't know      ☐ Refused

Please explain why:

---

---

---

Go to Question #3.

Not eligible for assessment. Go to Question #11.

- 3** Has a doctor ever told you that you have any of the following...? **PDMURMUR**
- ☐ Yes      ☐ No      ☐ Don't know      ☐ Refused

- a. A heart murmur?

Not eligible for assessment. Go to Question #11.

- b. Congenital heart disease?  
(a heart problem you were born with)
- ☐ Yes      ☐ No      ☐ Don't know      ☐ Refused

**PDCHSRD**

Not eligible for assessment. Go to Question #11.

- c. Rheumatic heart disease?
- ☐ Yes      ☐ No      ☐ Don't know      ☐ Refused

**PDRHD**

Not eligible for assessment. Go to Question #11.



d. An infection of the lining of the heart called endocarditis?

**PDENDO**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.

e. Mitral valve prolapse?

**PDMVP**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.

4 Are you taking prednisone or any immunosuppressive medication?

**PDPRED**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.

5 Do you have a cardiac pacemaker?

**PDPACEM**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.

6 Do you have a surgically implanted heart valve, shunt, or artificial joint?

**PDVALVE**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.

7 Have you had major surgery, radiation, or chemotherapy for cancer within the last 2 months?

**PDCANCER**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.

8 Are you on kidney dialysis?

**PDKIDNEY**

① Yes    ② No    ③ Don't know    ④ Refused

Not eligible for assessment. Go to Question #11.



**9** Have you had a heart, kidney, or other organ transplant? **PDTRNPLT**

**1** Yes    **0** No    **8** Don't know    **7** Refused



Not eligible for assessment. Go to Question #11.

**10** Did you ever take FenPhen to lose weight?  
(**Examiner Note: If participant says they used another diet pill but they do not remember the name of the pill, mark "Yes."**)

**1** Yes    **0** No    **8** Don't know    **7** Refused



**PDFENPHN**

Not eligible for assessment. Go to Question #11.

**11** Is the participant eligible for the periodontal assessment? **PDELIG**

**1** Yes, eligible for the periodontal exam



Eligible for the periodontal exam.

(**Examiner Note: Read the statement below.**)

This next measurement includes a simple examination of your mouth to see if there are any cavities, gum disease, or spaces between your teeth and gums. We will also collect a little plaque and pick up some fluid from around your teeth. Most people find these procedures quite comfortable.

Do you have any questions?

If you would like us to send your dentist a copy of your dental exam report, please provide us with their name and address.

Dentist's Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**0** No, not eligible for the periodontal exam



Not eligible for the complete periodontal exam; however, do conduct dental exam and complete pages # 5, 6, and page 7, Section 1.

(**Examiner Note: Read the statement below.**)

Thank you for your responses. This next measurement includes a simple examination of your mouth.

Bar Code Label

**PDBRCD**

Draft





HABC Enrollment ID #	Acrostic	Date Form Completed	Staff ID #
<input type="text"/>	<input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/> Month Day Year	<input type="text"/>

## DENTAL EXAMINATION

PDSTFID2

### 1 SOFT TISSUES EXAM

(Examiner Note: Mark all positive findings and comment. If no positive findings, mark "No positive findings.")

① Lips  
**PDLIPS**

① Labial mucosa  
**PDLABMUC**

① Buccal mucosa  
**PDBUCMUC**

Comment: \_\_\_\_\_

① Cheeks  
**PDCHEEKS**

① Palate  
**PDPALATE**

① Uvula  
**PDUVULA**

① Dorsal tongue  
**PDDORTON**

① Vent tongue  
**PDVENTON**

① Floor of mouth  
**PDFLOORM**

① Gingival tissue  
**PDGING**

① No positive findings  
**PDNOPOS**

(Analyst Note:  
The two variables above  
did not exist in Y2.)

### 2 DENTURES

Does the participant wear dentures (either partial or full)?

① Yes

① No

**PDDENTUR**

(Analyst Note: This variable did not exist in Y2.)

What dentures does the participant wear?  
(Examiner Note: Mark all that apply.)

① Full Upper **PDFUPPER**

① Full Lower **PDFLOWER**

① Partial Upper **PDPUPPER**

① Partial Lower **PDPLOWER**



HABC Enrollment ID #	Acrostic	Date Form Completed	Staff ID #
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> Month Day Year	<input type="text"/> <input type="text"/> <input type="text"/>

## DENTAL EXAMINATION

### HARD TISSUE FINDINGS

- 3** Does participant have any natural teeth?  
(Examiner Note: Refer to Page #2, Question #1 on Periodontal Exam Eligibility Assessment form.)

① Yes      ② No

STOP

### Is (are) there...?

- 4** Probable caries?      ① Yes      ② No      **PDCARIE1**

Number of teeth involved:

**PDCARIE2**

- 5** Mobility?      ① Yes      ② No      **PDMOBIL1**

Number of teeth involved:

**PDMOBIL2**

- 6** Root fragment(s)?      ① Yes      ② No      ③ Unable to determine      **PDROOT1**

Number of teeth involved:

**PDROOT2**

- 7** Furcation?  
(Ability to probe between roots of a tooth)      ① Yes      ② No      ③ Unable to determine      **PDFURC1**

Number of teeth involved:

**PDFURC2**

HABC Enrollment ID #	Acrostic	Date Form Completed	Staff ID #
<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px;"></div> / <div style="border: 1px solid black; width: 100px; height: 20px;"></div> / <div style="border: 1px solid black; width: 100px; height: 20px;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>
		Month      Day      Year	

## PERIODONTAL EXAMINATION: BACKUP FOR VOICE RECOGNITION

**Examiner Note:** If voice-recognition system is not working, record data below.

- 1** Is participant completely edentulous? ☐ Yes ☐ No

Missing Teeth (check all missing teeth)

8	7	6	5	4	3	2	1
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 1

1	2	3	4	5	6	7	8
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 2

8	7	6	5	4	3	2	1
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 4

1	2	3	4	5	6	7	8
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 3

Plaque Score (0-3)

8	7	6	5	4	3	2	1
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 1

1	2	3	4	5	6	7	8
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 2

8	7	6	5	4	3	2	1
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 4

1	2	3	4	5	6	7	8
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Q 3

### PERIODONTAL EXAMINATION

- 2** Does participant meet ELIGIBILITY criteria for periodontal examination? ☐ Yes ☐ No

**(Examiner Note: Refer to Periodontal Exam Eligibility Assessment Form, Question #11, page 4 to determine if participant is eligible for the following procedures.)**

Gingival Index (0-3)

8	7	6	5	4	3	2	1
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 1

1	2	3	4	5	6	7	8
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 2

8	7	6	5	4	3	2	1
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 4

1	2	3	4	5	6	7	8
<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>

Q 3

GCF ID:	Plaque ID:
---------	------------



# PERIODONTAL EXAMINATION

**FACIAL** PD=Probing depth; CEJ=Cemento-enamel junctions; BOP=Bleeding on probing

## Quadrant 1

	D	1-8	M	1-7	1-6	1-5	1-4	1-3	1-2	1-1
PD										
CEJ										
BOP										
missing can't assess										

## Quadrant 2

	M	2-1	D	2-2	2-3	2-4	2-5	2-6	2-7	2-8
PD										
CEJ										
BOP										
missing can't assess										

## LINGUAL

### Quadrant 2

	D	2-8	M	2-7	2-6	2-5	2-4	2-3	2-2	2-1
PD										
CEJ										
BOP										
missing can't assess										

	M	1-1	D	1-2	1-3	1-4	1-5	1-6	1-7	1-8
PD										
CEJ										
BOP										
missing can't assess										

PD/CEJ = mm; BOP: 0=no, 1=yes; Missing = M; Can't Assess = 9

Draft



# PERIODONTAL EXAMINATION

PD=Probing depth; CEJ=Cemento-enamel junctions; BOP=Bleeding on probing

## FACIAL

### Quadrant 3

	D	3-8	M	3-7	3-6	3-5	3-4	3-3	3-2	3-1
PD										
CEJ										
BOP										
missing can't assess										

### Quadrant 4

	M	4-1	D	4-2	4-3	4-4	4-5	4-6	4-7	4-8
PD										
CEJ										
BOP										
missing can't assess										

## LINGUAL

### Quadrant 4

	D	4-8	M	4-7	4-6	4-5	4-4	4-3	4-2	4-1
PD										
CEJ										
BOP										
missing can't assess										

### Quadrant 3

	M	3-1	D	3-2	3-3	3-4	3-5	3-6	3-7	3-8
PD										
CEJ										
BOP										
missing can't assess										

PD/CEJ = mm; BOP: 0=no, 1=yes; Missing = M; Can't Assess = 9

Draft

HABC Enrollment ID #	Acrostic	Date Form Completed	Staff ID #
<input type="text"/>	<input type="text"/>	<input type="text"/> / <input type="text"/> / <input type="text"/> Month      Day      Year	<input type="text"/>

## BANATEST

Tooth Number	Tooth Site	Negative	Weak Positive	Positive

Tooth Number	Tooth Site	Negative	Weak Positive	Positive

Tooth Number	Tooth Site	Negative	Weak Positive	Positive

Tooth Number	Tooth Site	Negative	Weak Positive	Positive



## The CONTENTS Procedure

Data Set Name:	DAF.Y23PERIO	Observations:	2768
Member Type:	DATA	Variables:	103
Engine:	V6	Indexes:	0
Created:	14:52 Friday, May 16, 2003	Observation Length:	808
Last Modified:	14:52 Friday, May 16, 2003	Deleted Observations:	0
Protection:		Compressed:	NO
Data Set Type:		Sorted:	NO
Label:			

## -----Engine/Host Dependent Information-----

Data Set Page Size:	16384
Number of Data Set Pages:	140
First Data Page:	1
Max Obs per Page:	20
Obs in First Data Page:	4
Number of Data Set Repairs:	0
File Name:	i:\habc_sas\data analysis file\y23perio.sd2
Release Created:	6.08.00
Host Created:	WIN

## -----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
101	BANAFLAG	Num	8	784			Flag set to 1 when ppt has BANA data
28	BANARAT	Num	8	210			Ratio of BANA-positive sites
29	BANASITE	Num	8	218			NUMBER OF BANA SITES SAMPLED
30	BANA_RES	Num	8	226			Bana test result
100	DENTFLAG	Num	8	776			Flag set to 1 when ppt has Perio RC data
8	DENT_COD	Num	8	50			Dental Track:1Ed 2PMD 3Elig 4ref 5tootc
6	DENT_REC	Char	5	40			RECORDER
52	EDATE	Num	8	402	MMDDYY10.	MMDDYY6.	Exam Date
11	EDENT	Num	8	74			Edentulous YN
7	EXAMINER	Char	5	45			Dental examiner
25	EXTAL3	Num	8	186			Extent AL >=3mm (NAL_3/NALSITES)
18	EXTPD3	Num	8	130			Extent PD >=3mm (NPD_3/NPDSITES)
19	EXTPD4	Num	8	138			Extent PD >=4mm (NPD_4/NPDSITES)
20	EXTPD5	Num	8	146			Extent PD >=5mm (NPD_5/NPDSITES)
21	EXTPD6	Num	8	154			Extent PD >=6mm (NPD_6/NPDSITES)
39	FU11_41	Num	8	298			Function unit pair 11-41/anterior
40	FU12_42	Num	8	306			Function unit pair 12-42/anterior

## The CONTENTS Procedure

## -----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
41	FU13_43	Num	8	314			Function unit pair 13-43/anterior
35	FU14_44	Num	8	266			Function unit pair 14-44/bicuspid
36	FU15_45	Num	8	274			Function unit pair 15-45/bicuspid
31	FU16_46	Num	8	234			Function unit pair 16-46/molar
32	FU17_47	Num	8	242			Function unit pair 17-47/molar
42	FU21_31	Num	8	322			Function unit pair 21-31/anterior
43	FU22_32	Num	8	330			Function unit pair 22-32/anterior
44	FU23_33	Num	8	338			Function unit pair 23-33/anterior
37	FU24_34	Num	8	282			Function unit pair 24-34/bicuspid
38	FU25_35	Num	8	290			Function unit pair 25-35/bicuspid
33	FU26_36	Num	8	250			Function unit pair 26-36/molar
34	FU27_37	Num	8	258			Function unit pair 27-37/molar
46	FUANT	Num	8	354			Total number functional units on anterior
47	FUBIC	Num	8	362			Total number functional units on bicuspid
45	FUMOLAR	Num	8	346			Total number functional units on molar
48	FUPOST	Num	8	370			Total number of posterior functional units
50	FUS	Num	8	386			Posterior functional tooth units score
51	FUSS	Num	8	394			Total functional tooth units score
49	FUTOTAL	Num	8	378			Total number of functional tooth units
3	GENDER	Num	8	16	GENDER.	11.	Gender
1	HABCID	Num	8	0	11.	11.	HABC Enrollment ID
24	MEANAL	Num	8	178			Mean AL
26	MEANGI	Num	8	194			Mean Gingival Index Score
17	MEANPD	Num	8	122			Mean PD
27	MEANPL	Num	8	202			Mean Plaque Score
22	NALSITES	Num	8	162			Number AL Sites
23	NAL_3	Num	8	170			Number AL Sites >=3mm
10	NO_TEETH1	Num	8	66			
9	NO_TEETH	Num	8	58			TOTAL NUMBER OF NATURAL TEETH
12	NPDSITES	Num	8	82			Number PD Sites
13	NPD_3	Num	8	90			Number PD Sites >=3mm
14	NPD_4	Num	8	98			Number PD Sites >=4mm
15	NPD_5	Num	8	106			Number PD Sites >=5mm
16	NPD_6	Num	8	114			Number PD Sites >=6mm
5	ORALLES	Num	8	32			Oral lesions1=yes0= no



## The CONTENTS Procedure

## -----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
66	PDANTIBI	Num	8	509	YNDK.	3.	Q2.Need antibiotics at dental visit
82	PDBUCMUC	Num	8	637	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Buccal mucosa
75	PDCANCER	Num	8	581	YNDK.	3.	Q7.Surgery,radiation,chemo for cancer?
54	PDCARIE1	Num	8	413	YNDK.	3.	Probable Caries
55	PDCARIE2	Num	8	421	3.	3.	Caries: Number of teeth involved
83	PDCHEEKS	Num	8	645	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Cheeks
68	PDCHSRD	Num	8	525	YNDK.	3.	Q3b.Dr told you..congenital heart dis?
97	PDDATE	Num	8	757	MMDDYY10.	DATETIME22.3	Clinic Visit Exam Date
94	PDDENTUR	Num	8	733	YNDK.	6.	DE2. Does participant wear dentures?
86	PDDORTON	Num	8	669	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Dorsal tongue
77	PDELIG	Num	8	597	YNDK.	3.	Q11.Ppt eligible for periodontal assess?
70	PDENDO	Num	8	541	YNDK.	3.	Q3d.Dr told you..endocarditis?
79	PDFENPHN	Num	8	613	YNDK.	3.	Q10.Ever take FenPhen to lose weight?
88	PDFLOORM	Num	8	685	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:mouth floor
90	PDFLOWER	Num	8	701	YNDKSP.	4.	Q2.Dental:Dentures:Full lower
89	PDFUPPER	Num	8	693	YNDKSP.	4.	Q2.Dental:Dentures:Full upper
60	PDFURC1	Num	8	461	YNDK.	3.	Furciation
61	PDFURC2	Num	8	469	3.	3.	Furciation: Number of teeth involved
95	PDGING	Num	8	741	YNDKSP.	6.	DE1: Soft Tissues/gingival tissue
63	PDIMPLNT	Num	8	485	YNDK.	3.	Q1b.Any dental implants
76	PDKIDNEY	Num	8	589	YNDK.	3.	Q8.Are you on kidney dialysis
81	PDLABMUC	Num	8	629	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Labial mucosa
80	PDLIPS	Num	8	621	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Lips
64	PDLSTTH	Num	8	493	3.	3.	Q1a.How many years ago lost last tooth
65	PDLTOOTH	Num	8	501	YNDKSP.	4.	Q1a.How many years lost last tooth < 1yr
56	PDMOBIL1	Num	8	429	YNDK.	3.	Mobility
57	PDMOBIL2	Num	8	437	3.	3.	Mobility: Number of teeth involved
67	PDMURMUR	Num	8	517	YNDK.	3.	Q3a.Dr told you..heart murmur?
71	PDMVP	Num	8	549	YNDK.	3.	Q3e.Dr told you..mitral valve prolapse?
99	PDNATETH	Num	8	768	YNDK.	6.	DE3. Hard Tiss: Have any natural teeth?
93	PDNOPOS	Num	8	725	YNDKSP.	6.	DE1: Soft Tissues/no positive findings

## The CONTENTS Procedure

## -----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
62	PDNTEETH	Num	8	477	YNDK.	3.	Q1.Periodontal:any natural teeth?
73	PDPACEM	Num	8	565	YNDK.	3.	Q5.Have cardiac pacemaker?
84	PDPALATE	Num	8	653	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Palate
92	PDPLOWER	Num	8	717	YNDKSP.	4.	Q2.Dental:Dentures:Partial lower
72	PDPRED	Num	8	557	YNDK.	3.	Q4.Taking any prednisone immunosuppress?
91	PDPUPPER	Num	8	709	YNDKSP.	4.	Q2.Dental:Dentures:Partial upper
69	PDRHD	Num	8	533	YNDK.	3.	Q3c.Dr told you..rheumatic heart dis?
58	PDROOT1	Num	8	445	YNDK.	3.	Root fragment(s)
59	PDROOT2	Num	8	453	3.	3.	Root fragments: Number of teeth involved
53	PDSTFID	Char	3	410	\$3.	\$3.	Staff ID
98	PDSTFID2	Char	3	765	\$3.	\$3.	Dental Exam: Staff ID#
78	PDTRNPLT	Num	8	605	YNDK.	3.	Q9.Had a heart,kidney,other transplant?
85	PDUVULA	Num	8	661	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:uvula
74	PDVALVE	Num	8	573	YNDK.	3.	Q6.Surgically implanted heart valve?
87	PDVENTON	Num	8	677	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:vent tongue
103	PERFLAG	Num	8	800			Flag set to 1 when ppt had periodontal e
2	RACE	Num	8	8	RACE.	11.	Race
4	SITE	Num	8	24	SITE.	11.	Clinic Site
102	VERSION	Num	8	792	8.3		Data Analysis File Version #
96	YEAR	Num	8	749			Year of Clinic Visit

## The CONTENTS Procedure

-----Variables Ordered by Position-----

#	Variable	Type	Len	Pos	Format	Informat	Label
1	HABCID	Num	8	0	11.	11.	HABC Enrollment ID
2	RACE	Num	8	8	RACE.	11.	Race
3	GENDER	Num	8	16	GENDER.	11.	Gender
4	SITE	Num	8	24	SITE.	11.	Clinic Site
5	ORALLES	Num	8	32			Oral lesions1=yes0= no
6	DENT_REC	Char	5	40			RECORDER
7	EXAMINER	Char	5	45			Dental examiner
8	DENT_COD	Num	8	50			Dental Track:1Ed 2PMD 3Elig 4ref 5tootc
9	NO_TEETH	Num	8	58			TOTAL NUMBER OF NATURAL TEETH
10	NO_TEETH1	Num	8	66			
11	EDENT	Num	8	74			Edentulous YN
12	NPDSITES	Num	8	82			Number PD Sites
13	NPDP3	Num	8	90			Number PD Sites >=3mm
14	NPDP4	Num	8	98			Number PD Sites >=4mm
15	NPDP5	Num	8	106			Number PD Sites >=5mm
16	NPDP6	Num	8	114			Number PD Sites >=6mm
17	MEANPD	Num	8	122			Mean PD
18	EXTPD3	Num	8	130			Extent PD >=3mm (NPDP3/NPDSITES)
19	EXTPD4	Num	8	138			Extent PD >=4mm (NPDP4/NPDSITES)
20	EXTPD5	Num	8	146			Extent PD >=5mm (NPDP5/NPDSITES)
21	EXTPD6	Num	8	154			Extent PD >=6mm (NPDP6/NPDSITES)
22	NALSITES	Num	8	162			Number AL Sites
23	NAL3	Num	8	170			Number AL Sites >=3mm
24	MEANAL	Num	8	178			Mean AL
25	EXTAL3	Num	8	186			Extent AL >=3mm (NAL3/NALSITES)
26	MEANGI	Num	8	194			Mean Gingival Index Score
27	MEANPL	Num	8	202			Mean Plaque Score
28	BANARAT	Num	8	210			Ratio of BANA-positive sites
29	BANASITE	Num	8	218			NUMBER OF BANA SITES SAMPLED
30	BANA_RES	Num	8	226			Bana test result
31	FU16_46	Num	8	234			Function unit pair 16-46/molar
32	FU17_47	Num	8	242			Function unit pair 17-47/molar
33	FU26_36	Num	8	250			Function unit pair 26-36/molar
34	FU27_37	Num	8	258			Function unit pair 27-37/molar
35	FU14_44	Num	8	266			Function unit pair 14-44/bicuspid
36	FU15_45	Num	8	274			Function unit pair 15-45/bicuspid
37	FU24_34	Num	8	282			Function unit pair 24-34/bicuspid
38	FU25_35	Num	8	290			Function unit pair 25-35/bicuspid
39	FU11_41	Num	8	298			Function unit pair 11-41/anterior

## The CONTENTS Procedure

-----Variables Ordered by Position-----

#	Variable	Type	Len	Pos	Format	Informat	Label
40	FU12_42	Num	8	306			Function unit pair 12-42/anterior
41	FU13_43	Num	8	314			Function unit pair 13-43/anterior
42	FU21_31	Num	8	322			Function unit pair 21-31/anterior
43	FU22_32	Num	8	330			Function unit pair 22-32/anterior
44	FU23_33	Num	8	338			Function unit pair 23-33/anterior
45	FUMOLAR	Num	8	346			Total number functional units on molar t
46	FUANT	Num	8	354			Total number functional units on anterio
47	FUBIC	Num	8	362			Total number functional units on bicuspi
48	FUPOST	Num	8	370			Total number of posterior functional uni
49	FUTOTAL	Num	8	378			Total number of functional tooth units
50	FUS	Num	8	386			Posterior functional tooth units score
51	FUSS	Num	8	394			Total funcational tooth units score
52	EDATE	Num	8	402	MMDDYY10.	MMDDYY6.	Exam Date
53	PDSTFID	Char	3	410	\$3.	\$3.	Staff ID
54	PDCARIE1	Num	8	413	YNDK.	3.	Probable Caries
55	PDCARIE2	Num	8	421	3.	3.	Caries: Number of teeth involved
56	PDMOBIL1	Num	8	429	YNDK.	3.	Mobility
57	PDMOBIL2	Num	8	437	3.	3.	Mobility: Number of teeth involved
58	PDROOT1	Num	8	445	YNDK.	3.	Root fragment(s)
59	PDROOT2	Num	8	453	3.	3.	Root fragments: Number of teeth involved
60	PDFURC1	Num	8	461	YNDK.	3.	Furciation
61	PDFURC2	Num	8	469	3.	3.	Furciation: Number of teeth involved
62	PDNTEETH	Num	8	477	YNDK.	3.	Q1.Periodontal:any natural teeth?
63	PDIMPLNT	Num	8	485	YNDK.	3.	Q1b.Any dental implants
64	PDLSTTH	Num	8	493	3.	3.	Q1a.How many years ago lost last tooth
65	PDLTOOTH	Num	8	501	YNDKSP.	4.	Q1a.How many years lost last tooth < 1yr
66	PDANTIBI	Num	8	509	YNDK.	3.	Q2.Need antibiotics at dental visit
67	PDMURMUR	Num	8	517	YNDK.	3.	Q3a.Dr told you..heart murmur?
68	PDCHSRD	Num	8	525	YNDK.	3.	Q3b.Dr told you..congenital heart dis?

## The CONTENTS Procedure

-----Variables Ordered by Position-----

#	Variable	Type	Len	Pos	Format	Informat	Label
70	PDENDO	Num	8	541	YNDK.	3.	heart dis?
71	PDMVP	Num	8	549	YNDK.	3.	Q3d.Dr told you..endocarditis?
72	PDPRED	Num	8	557	YNDK.	3.	Q3e.Dr told you..mitral valve prolapse?
73	PDPACEM	Num	8	565	YNDK.	3.	Q4.Taking any prednisone immunosuppress?
74	PDVALVE	Num	8	573	YNDK.	3.	Q5.Have cardiac pacemaker?
75	PDCANCER	Num	8	581	YNDK.	3.	Q6.Surgically implanted heart valve?
76	PDKIDNEY	Num	8	589	YNDK.	3.	Q7.Surgery,radiation,chemo for cancer?
77	PDELIG	Num	8	597	YNDK.	3.	Q8.Are you on kidney dialysis
78	PDTRNPLT	Num	8	605	YNDK.	3.	Q11.Ppt eligible for periodontal assess?
79	PDFENPHN	Num	8	613	YNDK.	3.	Q9.Had a heart,kidney,other transplant?
80	PDLIPS	Num	8	621	YNDKSP.	4.	Q10.Ever take FenPhen to lose weight?
81	PDLABMUC	Num	8	629	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Lips
82	PDBUCMUC	Num	8	637	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Labial mucosa
83	PDCHEEKS	Num	8	645	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Buccal mucosa
84	PDPALATE	Num	8	653	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Cheeks
85	PDUVULA	Num	8	661	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Palate
86	PDDORTON	Num	8	669	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:uvula
87	PDVENTON	Num	8	677	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:Dorsal tongue
88	PDFLOORM	Num	8	685	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:vent tongue
89	PDFUPPER	Num	8	693	YNDKSP.	4.	Q1.Dental:Soft Tissue Exam:mouth floor
90	PDFLOWER	Num	8	701	YNDKSP.	4.	Q2.Dental:Dentures:Full upper
91	PDPUPPER	Num	8	709	YNDKSP.	4.	Q2.Dental:Dentures:Full lower
92	PDPLOWER	Num	8	717	YNDKSP.	4.	Q2.Dental:Dentures:Partial upper
93	PDNOPOS	Num	8	725	YNDKSP.	6.	Q2.Dental:Dentures:Partial lower
94	PDDENTUR	Num	8	733	YNDK.	6.	DE1: Soft Tissues/no positive findings
95	PDGING	Num	8	741	YNDKSP.	6.	DE2. Does participant wear dentures?
96	YEAR	Num	8	749			DE1: Soft Tissues/gingival tissue
97	PDDATE	Num	8	757	MMDDYY10.	DATETIME22.3	Year of Clinic Visit
98	PDSTFID2	Char	3	765	\$3.	\$3.	Clinic Visit Exam Date
							Dental Exam: Staff ID#

## The CONTENTS Procedure

-----Variables Ordered by Position-----

#	Variable	Type	Len	Pos	Format	Informat	Label
99	PDNATETH	Num	8	768	YNDK.	6.	DE3. Hard Tiss: Have any natural teeth?
100	DENTFLAG	Num	8	776			Flag set to 1 when ppt has Perio RC data
101	BANAFLAG	Num	8	784			Flag set to 1 when ppt has BANA data
102	VERSION	Num	8	792	8.3		Data Analysis File version #
103	PERFLAG	Num	8	800			Flag set to 1 when ppt had periodontal e